

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10 / 560,329  
Source: IFWP  
Date Processed by STIC: 12/20/2005

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 12/20/2005

PATENT APPLICATION: US/10/560,329

TIME: 11:20:17

Input Set : A:\138\_Sequence Listing.ST25.txt

Output Set: N:\CRF4\12202005\J560329.raw

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3 <110> APPLICANT: KIM, Jung Moon
4     KIM, Jung Kook
5     KIM, Tae Han
6     LEE, Jong Suk
7     YOOK, Jong In
9 <120> TITLE OF INVENTION: NON-ACTIVATED POLYPEPTIDES HAVING A FUNCTION OF TISSUE
10    REGENERATION AND METHOD FOR PREPARING THE SAME
12 <130> FILE REFERENCE: 4240-138
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/560,329
C--> 15 <141> CURRENT FILING DATE: 2005-12-10
17 <150> PRIOR APPLICATION NUMBER: PCT/KR2005/003660
18 <151> PRIOR FILING DATE: 2005-11-02
20 <150> PRIOR APPLICATION NUMBER: KR10-2005-0026246
21 <151> PRIOR FILING DATE: 2005-03-30
23 <160> NUMBER OF SEQ ID NOS: 26
25 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 114
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
34 Gln Ala Lys His Lys Gln Arg Lys Arg Leu Lys Ser Ser Cys Lys Arg
35 1          5          10          15
38 His Pro Leu Tyr Val Asp Phe Ser Asp Val Gly Trp Asn Asp Trp Ile
39          20          25          30
42 Val Ala Pro Pro Gly Tyr His Ala Phe Tyr Cys His Gly Glu Cys Pro
43          35          40          45
46 Phe Pro Leu Ala Asp His Leu Asn Ser Thr Asn His Ala Ile Val Gln
47          50          55          60
50 Thr Leu Val Asn Ser Val Asn Ser Lys Ile Pro Lys Ala Cys Cys Val
51 65          70          75          80
54 Pro Thr Glu Leu Ser Ala Ile Ser Met Leu Tyr Leu Asp Glu Asn Glu
55          85          90          95
58 Lys Val Val Leu Lys Asn Tyr Gln Asp Met Val Val Glu Gly Cys Thr
59          100         105         110
62 Cys Arg
66 <210> SEQ ID NO: 2
67 <211> LENGTH: 183
68 <212> TYPE: PRT
69 <213> ORGANISM: Homo sapiens
71 <400> SEQUENCE: 2
73 Ser Thr Gly Val Leu Leu Pro Leu Gln Asn Asn Glu Leu Pro Gly Ala
74 1          5          10          15

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77 Glu Tyr Gln Tyr Lys Lys Asp Glu Val Trp Glu Glu Arg Lys Pro Tyr
78          20          25          30
81 Lys Thr Leu Gln Ala Gln Ala Pro Glu Lys Ser Lys Asn Lys Lys Lys
82          35          40          45
85 Gln Arg Lys Gly Pro His Arg Lys Ser Gln Thr Leu Gln Phe Asp Glu
86          50          55          60
89 Gln Thr Leu Lys Lys Ala Arg Arg Lys Gln Trp Ile Glu Pro Arg Asn
90 65          70          75          80
93 Cys Ala Arg Arg Tyr Leu Lys Val Asp Phe Ala Asp Ile Gly Trp Ser
94          85          90          95
97 Glu Trp Ile Ile Ser Pro Lys Ser Phe Asp Ala Tyr Tyr Cys Ser Gly
98          100          105          110
101 Ala Cys Gln Phe Pro Met Pro Lys Ser Leu Lys Pro Ser Asn His Ala
102          115          120          125
105 Thr Ile Gln Ser Ile Val Arg Ala Val Gly Val Val Pro Gly Ile Pro
106          130          135          140
109 Glu Pro Cys Cys Val Pro Glu Lys Met Ser Ser Leu Ser Ile Leu Phe
110 145          150          155          160
113 Phe Asp Glu Asn Lys Asn Val Val Leu Lys Val Tyr Pro Asn Met Thr
114          165          170          175
117 Val Glu Ser Cys Ala Cys Arg
118          180
121 <210> SEQ ID NO: 3
122 <211> LENGTH: 116
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 3
128 Ser Pro Lys His His Ser Gln Arg Ala Arg Lys Lys Asn Lys Asn Cys
129 1          5          10          15
132 Arg Arg His Ser Leu Tyr Val Asp Phe Ser Asp Val Gly Trp Asn Asp
133          20          25          30
136 Trp Ile Val Ala Pro Pro Gly Tyr Gln Ala Phe Tyr Cys His Gly Asp
137          35          40          45
140 Cys Pro Phe Pro Leu Ala Asp His Leu Asn Ser Thr Asn His Ala Ile
141          50          55          60
144 Val Gln Thr Leu Val Asn Ser Val Asn Ser Ser Ile Pro Lys Ala Cys
145 65          70          75          80
148 Cys Val Pro Thr Glu Leu Ser Ala Ile Ser Met Leu Tyr Leu Asp Glu
149          85          90          95
152 Tyr Asp Lys Val Val Leu Lys Asn Tyr Gln Glu Met Val Val Glu Gly
153          100          105          110
156 Cys Gly Cys Arg
157          115
160 <210> SEQ ID NO: 4
161 <211> LENGTH: 138
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 4
167 Ala Ala Asn Lys Arg Lys Asn Gln Asn Arg Asn Lys Ser Ser Ser His

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168 1          5          10          15
171 Gln Asp Ser Ser Arg Met Ser Ser Val Gly Asp Tyr Asn Thr Ser Glu
172          20          25          30
175 Gln Lys Gln Ala Cys Lys Lys His Glu Leu Tyr Val Ser Phe Arg Asp
176          35          40          45
179 Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala Ala Phe
180          50          55          60
183 Tyr Cys Asp Gly Glu Cys Ser Phe Pro Leu Asn Ala His Met Asn Ala
184 65          70          75          80
187 Thr Asn His Ala Ile Val Gln Thr Leu Val His Leu Met Phe Pro Asp
188          85          90          95
191 His Val Pro Lys Pro Cys Cys Ala Pro Thr Lys Leu Asn Ala Ile Ser
192          100         105         110
195 Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile Leu Lys Lys Tyr Arg
196          115         120         125
199 Asn Met Val Val Arg Ser Cys Gly Cys His
200          130         135
203 <210> SEQ ID NO: 5
204 <211> LENGTH: 139
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 5
210 Ser Ala Ser Ser Arg Arg Arg Gln Gln Ser Arg Asn Arg Ser Thr Gln
211 1          5          10          15
214 Ser Gln Asp Val Ala Arg Val Ser Ser Ala Ser Asp Tyr Asn Ser Ser
215          20          25          30
218 Glu Leu Lys Thr Ala Cys Arg Lys His Glu Leu Tyr Val Ser Phe Gln
219          35          40          45
222 Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Lys Gly Tyr Ala Ala
223          50          55          60
226 Asn Tyr Cys Asp Gly Glu Cys Ser Phe Pro Leu Asn Ala His Met Asn
227 65          70          75          80
230 Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Leu Met Asn Pro
231          85          90          95
234 Glu Tyr Val Pro Lys Pro Cys Cys Ala Pro Thr Lys Leu Asn Ala Ile
235          100         105         110
238 Ser Val Leu Tyr Phe Asp Asp Asn Ser Asn Val Ile Leu Lys Lys Tyr
239          115         120         125
242 Arg Asn Met Val Val Arg Ala Cys Gly Cys His
243          130         135
246 <210> SEQ ID NO: 6
247 <211> LENGTH: 139
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 6
253 Ser Thr Gly Ser Lys Gln Arg Ser Gln Asn Arg Ser Lys Thr Pro Lys
254 1          5          10          15
257 Asn Gln Glu Ala Leu Arg Met Ala Asn Val Ala Glu Asn Ser Ser Ser
258          20          25          30

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261 Asp Gln Arg Gln Ala Cys Lys Lys His Glu Leu Tyr Val Ser Phe Arg
262      35      40      45
265 Asp Leu Gly Trp Gln Asp Trp Ile Ile Ala Pro Glu Gly Tyr Ala Ala
266      50      55      60
269 Tyr Tyr Cys Glu Gly Glu Cys Ala Phe Pro Leu Asn Ser Tyr Met Asn
270 65      70      75      80
273 Ala Thr Asn His Ala Ile Val Gln Thr Leu Val His Phe Ile Asn Pro
274      85      90      95
277 Glu Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln Leu Asn Ala Ile
278      100     105     110
281 Ser Val Leu Tyr Phe Asp Asp Ser Ser Asn Val Ile Leu Lys Lys Tyr
282      115     120     125
285 Arg Asn Met Val Val Arg Ala Cys Gly Gly His
286      130     135
289 <210> SEQ ID NO: 7
290 <211> LENGTH: 133
291 <212> TYPE: PRT
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 7
296 Arg Arg Gln Pro Lys Lys Ser Asn Glu Leu Pro Gln Ala Asn Arg Leu
297 1      5      10      15
300 Pro Gly Ile Phe Asp Asp Val His Gly Ser His Gly Arg Gln Val Cys
301      20      25      30
304 Arg Arg His Glu Leu Tyr Val Ser Phe Gln Asp Leu Gly Trp Leu Asp
305      35      40      45
308 Trp Val Ile Ala Pro Gln Gly Tyr Ser Ala Tyr Tyr Cys Glu Gly Glu
309      50      55      60
312 Cys Ser Phe Pro Leu Asp Ser Cys Met Asn Ala Thr Asn His Ala Ile
313 65      70      75      80
316 Leu Gln Ser Leu Val His Leu Met Met Pro Asp Ala Val Pro Lys Ala
317      85      90      95
320 Cys Cys Ala Pro Thr Lys Leu Ser Ala Thr Ser Val Leu Tyr Tyr Asp
321      100     105     110
324 Ser Ser Asn Asn Val Ile Leu Arg Lys His Arg Asn Met Val Val Lys
325      115     120     125
328 Ala Cys Gly Cys His
329      130
332 <210> SEQ ID NO: 8
333 <211> LENGTH: 110
334 <212> TYPE: PRT
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 8
339 Ser Ala Gly Ala Gly Ser His Cys Gln Lys Thr Ser Leu Arg Val Asn
340 1      5      10      15
343 Phe Glu Asp Ile Gly Trp Asp Ser Trp Ile Ile Ala Pro Lys Glu Tyr
344      20      25      30
347 Glu Ala Tyr Glu Cys Lys Gly Gly Cys Phe Phe Pro Leu Ala Asp Asp
348      35      40      45
351 Val Thr Pro Thr Lys His Ala Ile Val Gln Thr Leu Val His Leu Lys

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352      50      55      60
355 Phe Pro Thr Lys Val Gly Lys Ala Cys Cys Val Pro Thr Lys Leu Ser
356 65      70      75      80
359 Pro Ile Ser Val Leu Tyr Lys Asp Asp Met Gly Val Pro Thr Leu Lys
360      85      90      95
363 Tyr His Tyr Glu Gly Met Ser Val Ala Glu Cys Gly Cys Arg
364      100      105      110
367 <210> SEQ ID NO: 9
368 <211> LENGTH: 108
369 <212> TYPE: PRT
370 <213> ORGANISM: Homo sapiens
372 <400> SEQUENCE: 9
374 Asn Ala Lys Gly Asn Tyr Cys Lys Arg Thr Pro Leu Tyr Ile Asp Phe
375 1      5      10      15
378 Lys Glu Ile Gly Trp Asp Ser Trp Ile Ile Ala Pro Pro Gly Tyr Glu
379      20      25      30
382 Ala Tyr Glu Cys Arg Gly Val Cys Asn Tyr Pro Leu Ala Glu His Leu
383      35      40      45
386 Thr Pro Thr Lys His Ala Ile Ile Gln Ala Leu Val His Leu Lys Asn
387      50      55      60
390 Ser Gln Lys Ala Ser Lys Ala Cys Cys Val Pro Thr Lys Leu Glu Pro
391 65      70      75      80
394 Ile Ser Ile Leu Tyr Leu Asp Lys Gly Val Val Thr Tyr Lys Phe Lys
395      85      90      95
398 Tyr Glu Gly Met Ala Val Ser Glu Cys Gly Cys Arg
399      100      105
402 <210> SEQ ID NO: 10
403 <211> LENGTH: 108
404 <212> TYPE: PRT
405 <213> ORGANISM: Homo sapiens
407 <400> SEQUENCE: 10
409 Asn Ala Lys Gly Asn Tyr Cys Lys Arg Thr Pro Leu Tyr Ile Asp Phe
410 1      5      10      15
413 Lys Glu Ile Gly Trp Asp Ser Trp Ile Ile Ala Pro Pro Gly Tyr Glu
414      20      25      30
417 Ala Tyr Glu Cys Arg Gly Val Cys Asn Tyr Pro Leu Ala Glu His Leu
418      35      40      45
421 Thr Pro Thr Lys His Ala Ile Ile Gln Ala Leu Val His Leu Lys Asn
422      50      55      60
425 Ser Gln Lys Ala Ser Lys Ala Cys Cys Val Pro Thr Lys Leu Glu Pro
426 65      70      75      80
429 Ile Ser Ile Leu Tyr Leu Asp Lys Gly Val Val Thr Tyr Lys Phe Lys
430      85      90      95
433 Tyr Glu Gly Met Ala Val Ser Glu Cys Gly Cys Arg
434      100      105
437 <210> SEQ ID NO: 11
438 <211> LENGTH: 104
439 <212> TYPE: PRT
440 <213> ORGANISM: Homo sapiens

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**VERIFICATION SUMMARY**

DATE: 12/20/2005

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Input Set : A:\138\_Sequence Listing.ST25.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date